

CHEMICAL MARKETS

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Economics to Open Institute of Chemistry

Dr. Teeple, Dr. Herty, Williams Haynes to Open Program With Discussion of "Economic Factors in Chemical Industry"—Pennsylvania State College to Become a World Forum on July 4—Leading Factors Will Discuss Program in Industry Due to Chemical Research

Sponsored by American Chemical Society, the new National Institute of Chemistry will assemble leaders in industry, education, and research from this country, England, France, Switzerland and Germany to discuss the expanding influence of chemistry in modern life, at Pennsylvania State College, on July 4. For one month hundreds of chemists will attend daily conferences, lectures, and intensive courses of instruction, graduate and undergraduate. Deans, professors, instructors, research chemists, and laboratory workers from the principal universities, technical schools, and industrial plants.

Following a conference in the Chemists Building, 52 East 41st St., New York, with leading chemists of the New York Industrial district, the director of the Institute of Chemistry, Prof. Gerald L. Wendt, head of the school of chemistry and physics at Pennsylvania State College, announced numerous additions to the teaching staff, and explained some of the problems, notably that of the X-ray, which will come up at the Institute's session.

Dr. George Clark, of the University of Illinois, now at Massachusetts Institute of Technology, will, Prof. Wendt said, address a conference, July 7, on "The Use of X-rays in Research on Structure of Non-Mellatic Materials." Dr. W. G. Wyckoff of the Rockefeller Institute for Medical Research, New York, will be chairman of the conference. Dr. Ancel St. John, New York physicist, and Dr. W. P. Davey of the Penn State Faculty, will lead a discussion.

Topics to be discussed at other conferences are of special interest to the educator. The training of chemists for research work and for plant work will be discussed

on different days, and it is the intention of the Committee of Direction to have the view of the industrialist, that is, the employer of the chemists, emphasized as much as possible, to the end that the discussion may be eminently practical and not one of abstract theories of education.

Catalysis, called by Prof. Wendt one of the most important in modern chemistry, will be discussed at a conference on July 14. Speakers will include Prof. E. K. Rideal of Cambridge University, England; Prof. H. S. Taylor of Princeton University, and Dr. Irving Langmuir, physical chemist of the General Electric Co., Schenectady N. Y.

"Other conferences will be devoted to the exposition of special techniques which may not be familiar to the average chemist. One, for instance, will be devoted to explaining remarkable things which can be accomplished by a chemist trained in the use of the microscope such as the analysis of a small spot on a piece of cloth or a pencil mark on a piece of paper. Another will show what is possible in the way of determining extremely small amounts of material by spectrum analysis, and another on the possibility of studying dyes and so on by spectro-photometry.

Of this group of conferences, one of the most interesting will be the discussion of the determination of particle size. The properties of many industrial materials such as photographic emulsions, rubber compositions, paints and lacquers and certain biological materials depend on the size of the very small particles of which they are composed.

Dr. John E. Teeple, who will speak on "Economic Factors in

Economics and Chemistry

Opening days of the Institute of Chemistry next week will be devoted to "Economic Factors in the Chemical Industry". The monthly review issue of CHEMICAL MARKETS out July 14 will be a special Economics and Chemistry Issue, and will contain not only the papers read at the Institute meeting, but also original and contributed articles on this important phase of the chemical industry.

the Chemical Industry," will be followed by Dr. Herty and Williams Haynes, publisher "CHEMICAL MARKETS," in discussing Dr. Teeple's subject. H. E. Howe will preside.

Organic solvents will be taken up at a conference on July 23, when Prof. W. T. Pearce, head of the school of chemistry, Agricultural College of North Dakota; A. A. Backhaus of U. S. Industrial Alcohol Co., Baltimore, and J. G. Davidson of Carbon and Carbide Chemical Corp., New York will speak.

At the July 23 conference methods of manufacture of solvents, properties, and their uses will be discussed. More than a score of daily conferences have already been arranged by the Institute, Prof. Wendt said.

Speakers at closing sessions will include Dr. Alfred Hess of New York, Prof. Henry C. Sherman of Columbia University, Prof. J. C. Drummond, Vice-Dean of the Faculty of Medical Sciences, University College, London, and Dr. W. M. Clark of the Hygienic Laboratory, U. S. Health Service, Washington.

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U. S. Owns Chemist's Discovery

District Court Decides Against Harry W. Houghton's Claim for Patent—Experimented on Use of Cyanogen Chlorine as Fumigant While in Government Employ—Judge Soper of Maryland District Court Says Invention Is Property of United States

A government chemist having been employed generally to do research work, and having been subsequently assigned to investigate the efficacy of a fumigant to kill insects and animals, claimed to own the patent rights to the solution of the problem. The court, however, ruled that these rights belonged to the government. The opinion was rendered by Judge Soper of the U. S. District Court of Maryland. Harry W. Houghton was the chemist. He conducted his experiments at Edgewood Arsenal. The fumigant was cyanogen chloride. Judge Soper said in part in his opinion:

"The discovery was within the purview of the investigation with which he was employed. He formally reported experiments with glycerin and water which led to the invention. It is stipulated in the case that experiments in the process were made during the months of September and October, and that during portions of these months, he was on duty; so that from the record it would appear that his experiments were performed, even if his final results were not achieved while he was officially employed.

"In any event, having agreed in advance that he would investigate for the benefit of the United States a suggestion of his superior officers, he cannot evade his obligation by developing it while on leave. The invention and the patent application covering it are the property of the United States."

Zapon Co. has completed a modern administration building in connection with its factory at Stamford, Conn.

Chemical Markets

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DRUG & CHEMICAL MARKETS,
INCORPORATED.
25 SPRUCE ST., NEW YORK.

TRACING CHEMICAL COSTS

(Special to CHEMICAL MARKETS)

Washington, D. C., June 27—Active field work is to be begun after July 4 on several projects by the Chemical Division, Tariff Commission. It is expected that the field work on all of these surveys will be completed in the domestic markets within two months, but just how long it will take to collect foreign costs is not known.

In connection with sodium phosphate, Dexter North and R. Baliff, will get domestic costs, during which they will go to New York, Boston, Cleveland, Chicago and Birmingham, Ala. The same men will look into the domestic costs of potassium permanganate. The foreign costs in this and other chemical surveys will be collected by the foreign staff of the Commission.

M. G. Dank, and L. Dedicatt, will get the domestic costs on whiting, visiting New York, Boston, Cleveland, Philadelphia, Camden, N. J.

On the domestic costs for the linseed oil investigation the Commission is sending R. H. Cragg, and P. Joyce. They will go to New York, Buffalo, Milwaukee and other crushing centers. The foreign costs will be obtained through the Commission's agents in Holland and England.

Summers Fertilizer Co., Stock Exchange Building, Baltimore, Md., is having plans drawn for a plant at Clinton Street and Fifth Avenue, to replace a works destroyed by fire a number of months ago. It will be three-story, estimated to cost in excess of \$225,000, with machinery. J. E. Totman is president.

National Dry Cleaning Corp., has changed its name to United Crescent Dry Cleaning Corp. Headquarters of the company are in New York. It is incorporated in Delaware.

Newport Co., Milwaukee, Wis., has changed its address to Newport Co., P. O. Box M, South Milwaukee, Wis.

FIBRE CONTAINER CLAUSE

Goods shipped in containers made of fibre board, venesta and other synthetic materials which has resulted in North Atlantic Conference lines adopting the policy of stamping on bills of lading covering such containers a notation that the goods are not sufficiently protected against the risks of ordinary handling should be given a clean bill of lading says Dyson Shipping Co., if received in good condition. The company writes:

"There is a lot to be said on both sides, but the crux of the matter is that while the ocean lines should give an absolutely clean bill of lading on goods received in good condition and not presume on what might happen, the shippers should on their part and in order to hold foreign trade, pack export goods in containers, whether wood, fibre or other material, which will withstand reasonable handling, long voyages and varying climatic conditions.

"Packages which, by reason of their obviously frail nature, have to be held out of steamers until the last minute so as to be stowed on top of other cargo cause extra stevedoring expense and delay in loading. Due to the increasing cost of lumber, the use of fibre containers is increasing, especially on these trade routes, and it is obvious that they cannot always be top cargo."

The rubber stamped clause in the bills of lading, it is pointed out, attracts unfavorable attention and may give rise to false claims for damage in addition to raising questions in the minds of the consignees as to the merits of the goods.

Use of these containers has recently been the subject of an acrimonious correspondence between W. H. Chandler, traffic manager of Merchants' Association, and President Dalton, of Merchant Fleet Corp., defending the action of Shipping Board lines in abiding by the conference policy.

Phenolic Products Co., Rockford, Ill., manufacturers of San-Duro Bakelite toilet seats, has placed its advertising account with George J. Kirkgasser & Co., Chicago.

Mione Soap, Clifton Heights, Pa., has placed its advertising account with May Advertising, Inc., Philadelphia. Newspapers are being used.

Hearing on Fluorspar Tariff Increase

J. F. Wischusen, of American Fluoride Corp., New York, Explains Position of His Company—Principal Opposition to Fifty Per Cent Increase in Tariff Due to Probable Increase in Price of Imported Raw Material—Believes Duty Should Be Increased on Other Fluorides—Evidence Under Advisement

(Special to CHEMICAL MARKETS)

Washington, D. C., June 28—The question of increasing by fifty per cent the present tariff on sodium silicofluoride was argued before the Tariff Commission last week. Among those appearing were R. M. Keating, Baugh Chemical Co., Baltimore; J. S. Brogdon and Andrew M. Fairlie, consulting chemists of Atlanta, Ga., and J. F. Wischusen, American Fluoride Corp., New York City. The last named manufacturer, a consumer, told the commission that he was opposed to the increase solely as a question of price to him. He said that he would not object to the increase if similar increases were made on other imported fluorides. No briefs were filed and the case has been taken under advisement by the commission.

This investigation was ordered

by the Commission on January 8, 1926, upon application of James A. Green, of Cincinnati, O., and Lundgren Stevens Co., Chicago. Cost data and other information covering about 90 per cent of the domestic output in 1925, were obtained in 1926 by the commission. Data regarding methods of operation, and prices in England and Germany were also obtained, the commission announced.

At the hearing, J. F. Wischusen, American Fluoride Corp., said his firm was a little over a year old. Its business was confined to the manufacturing of a number of articles made from fluorides.

He said he would gladly purchase his silicofluorides from domestic manufacturers, but he asserted that if a 50 per cent increase was granted, it would only be a temporary relief to producers of silicofluoride.

He claimed that silicofluoride was a raw material, and if a higher tariff was placed on it, foreigners would absorb it on imported finished products made from this material. Mr. Wischusen said that Danish manufacturers ship 80 per cent of their products to this country, which ordinarily would go to Germany if German monetary conditions were better. He said he was not opposed to the 50 per cent levy, providing similar levies were placed on other imported fluorides. He disagreed with the domestic manufacturers regarding the interchangeability of silicofluoride and crayolite. He expressed the further opinion that the request for a high rate would have a far reaching effect on all other articles, resulting principally in imported cheap articles as substitute fluorides by the domestic trade generally, principally for laundry, ceramic and opalescent glass manufacturing use.

Dr. Brogdon pointed out that salt was one of the principle ingredients in manufacturing silicofluoride. He claimed that the freight on salt was more than the cost of the salt. He favored the year 1924-1925 for figuring comparative costs.

Mr. Wischusen, in closing, said he was also seeking protection for the various fluorides manufactured by his firm, and if protection is given to those who used domestic silicofluoride, he naturally wanted to be protected from imported finished products made from the same material.

PRAISE FOR N. B. GREGG

Norris B. Gregg, vice president National Lead Co., who has served for 20 years as chairman of the Educational Bureau of American Paint and Varnish Manufacturers' Association, was honored by his associates at a dinner in Chicago, Thursday, June 23. The committee in charge comprised Ernest T. Trigg, Ludington Patton, Herbert Rica.

Leaders in the paint industry made complimentary references to Mr. Gregg's work, and he was presented with a book of letters of congratulation.

J. H. Calbeck has resigned as director of research for Eagle Pitcher Lead Co., and will devote his time to private research work.

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[Markets & Prices]

MERCURY MAKES SHARP RECOVERY TO \$122.00 FLASK

Vermillion Also Higher—Orthotoluidine Advanced—Glycerin Easier—Intermediates Fair—Sales of Refined Cottonseed Oil Large—China-wood Oil Lower on the Coast—Coconut Oil a Bit Firmer—Entire Oil Market Routine.

| | |
|------------------------------|--------------|
| Advanced | |
| Mercury | \$6.00 flask |
| Ortho-toluidine | 2c lb. |
| Vermillion, English | 10c lb. |
| Declined | |
| China-wood Oil, Coast tanks, | ¾c lb. |
| Linseed Oil, spot, | 0.2c lb. |
| Rapeseed Oil, Japanese spot, | 1c gal. |

Mercury made a sudden recovery this week as sellers established a market price of \$122.00 flask. The demand is characterized as good, but many believe that this is merely temporary gain and that the market will ease off to its position last week and assume a decorous attitude. However it is quite evident that the smaller importers have been eliminated and the stronger dealers have regained control of the market. Cream of tartar and tartaric acid have not been affected by the continually climbing market and are both moving with freedom towards consuming destinations. Alcohol sustains its firmness and is expected to continue with the inauguration of the July schedule tomorrow.

Glycerin is easing off although activity was livened last week. R salt is strong but unchanged. Tin derivatives are firmly fixed but business is not as encouraging as it has been. Soda ash and caustic soda are moving in good volume. Light oil distillates are unchanged and present no indications to alter their present status. Intermediates show a little better interest this week, orthotoluidine is higher on an increased demand and generally factors are enjoying a fair volume of business at this time but buying appears to lessen and will probably do so until after a holiday.

INDUSTRIAL CHEMICALS

Acid Nitric — Presents a good strong tone as movement is uninterrupted at firmly fixed prices.

Acid Tartaric — Business continues at a steady pace on the new level of 37c lb. for domestic supplies and 37½c@39½c lb. for foreign material. In some directions the imported price may be shaded.

Alcohol Butyl — Is in good motion at 19¼c lb. in tank cars but a

much firmer tendency is noted, owing to the advancing corn market.

Alcohol Denatured — Continues to assume a bright aspect and distillers are experiencing a good volume of business. Another advance within the next few days, over the schedule effective to-morrow, of 42c gallon for C. D. No. 5 and 44½c gallon for C. D. No. 1 in tankcars, would not be surprising.

Ammonia Water — Continues at a lively gait and the price is unchanged at 2¼c@2½c lb. in tanks. Rumors were current of its weakening but have since been dispelled.

Ammonium Chloride — Competition is still in evidence but both sides firmly maintain their prices of 5¼c lb. for white and 5¾c lb. for gray in barrels.

Cream of Tartar — Conditions in this market offer a firm tone and demand is good at the recently established level of 27c@28c lb. Domestic schedules read 27¾c@28c lb.

Glycerin — A slightly better activity is noted but prices have continued their downward trend as dynamite was sold at 21c@21¾c lb. Crude proves uninteresting at 15½c 16c and lye is unchanged. A price of 24½c was heard for chemically pure but market is 25c lb. in drums.

Mercury — The market turned to an unexpected recovery and sellers were asking from \$118.00 to \$122.00 flask. Evidently the smaller factors have been eliminated and stocks are in control of the larger factors.

Vermillion — Is higher this week at \$1.90@\$1.95 lb. Factors are using high priced quicksilver and are forced to name this figure.

CRUDES AND INTERMEDIATES

Benzene — The market remains weak and the generally quoted price

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of 22c gallon is being sharply cut in some directions.

Aniline Oil — Is commanding a very good call from the rubber industry at unchanged prices of 14½c in carloads and 15c@16c lb. in drums.

Diethyl Phthalate — Is in good demand at this time at 25c@28c lb. in 100 lb. drums.

Nitrobenzene—Producers are well satisfied with the movement and continue to quote 9¼c@10½c lb. for redistilled material f. o. b. works.

Ortho Toluidine — Is higher on an increase in demand. Less carload lots in barrels are offered at 29c lb. a price 2c above that formerly quoted. Makers report a very lively activity.

Solvent Naphtha — Continues to be named at 35c gallon but interest among the consuming trade is sorely lacking.

Toluene — Manufacturers of lacquer continue to draw all the available supplies of this commodity and producers are selling their entire capacity at the base price of 35c gallon f. o. b. works.

Xylene — Is similar with solvent naphtha as to position and factors offer commercial in tanks at 36c gallon to uninterested consuming parties.

OILS AND FATS

The dull period through which the oil market is passing is attributed in most quarters to the semi-annual inventory period which the trade is experiencing. There have been very few price changes over the past week and the volume of business done, negligible. In spite of this condition the market as a whole has been holding up to its former levels.

Sales in good volume of refined cottonseed oil has been the lone exception to the routine condition. In spite of the activity in cottonseed the market has not advanced in price though it is contented that the position is firmer. Linseed and Chinawood oils are very quiet here with the former showing a 2 point loss for the week. Spot Chinawood is holding up but the market on the Coast has been subject to shading on business. Japanese rapeseed is off on spot with a few scattered sales at the market level. Denatured olive oil and foots are thoroughly routine as has been the case for weeks past. Animal oils and fats have not registered a change of importance for over three weeks.

Castor Oil — No change in either price or position has been noted on this market for the past week. Quotations are at 13½c@14c lb. for No. 1 and 13c@13½c lb. for No. 3.

Chinawood Oil — The market is routine in all positions. Spot is holding up fairly well at 20c@20½c lb. in barrels. The future market on the Coast is off to 17c for July and 16¼c@17c lb. for Aug-Sept.

Coconut Oil — Seems in a firmer position here and on the Coast. Prices on Manila and Ceylon are unchanged at 9¼c@9½c lb. in barrels on spot, and 8½c@8¾c lb. in tanks on the Coast.

Cottonseed Oil—The week opened up with good sales of PSY oil. On Tuesday 37,800 bbls., were sold on spot with the market posted as steady to firm at 9c lb. July-October futures are held at 9.10c@9.87c lb. Crude oil in all positions is quiet and quoted nominally.

Greases — Market has shown no change for some weeks and is holding steady at 9½c lb. for choice white, 6½c lb. for yellow and brown.

Linseed Oil — Crushers have reduced the spot price on all grades 2 points to 11c lb. for raw oil in carlots and 11.6c lb. for 5 bbl. lots in warehouse. Consuming interest is routine at the moment but the primary seed markets are holding up well.

Neatsfoot Oil — Holding steady at the previous levels for all grades. CP oil is quoted at 17¼c lb. here and pure at 13¼c lb.

Olive Oil — Consumers continue to display but routine interest in all grades on spot. Denatured oil is steady at \$1.65@\$1.70 gal. and foots are likewise unchanged at 87½c lb. The shipment position is still quite firm and factors here do not anticipate any immediate change in this condition.

Rapeseed Oil — Moving fairly well for the season. Japanese oil is a shade lower at 80c@81c gal with English at 85c@86c gal. Blown is firm at \$1.03@\$1.05 gal.

Soya Bean Oil — Has been quiet this past week and the prices of 12¼c lb. in bbls. here and 9¾c lb. in tanks on the Coast are still heard.

Stearine Oleo — The market has a firm tendency though it is routine at the moment at 9¼c lb. in all quarters.

Early appearance of boll weevil is causing apprehension in the central cotton belt, in Georgia and Alabama, Oklahoma and Arkansas.

TURPENTINE CONTINUES TO FALL: ROSINS LOWER
Heavy Production of Naval Stores In South—Ammonium Sulphate Buyers Anticipating New Prices—Tanning Materials Quiet—Prices Lower—Corn Starch Expected to Climb.

Advanced
 Blood, South American 25c unit
 Quebracho solid 63% 1/4c lb.
 Tankage, South American 15c unit

Declined
 Antimony metal in slabs 1/4c lb.
 Divi-divi pods 50c ton
 Mangrove Bark \$1.00 ton
 Myrobalans \$1.00 ton
 Rosin B 70c 280 lbs.
 Rosin D 70c 280 lbs.
 Rosin E,F,G,H,I,K, 65c 280 lbs.
 Rosin M 70c 280 lbs.
 Rosin N 80c 280 lbs.
 Rosin WG 30c 280 lb.
 Rosin WW 70c 280 lbs.
 Sumac \$2.00 ton
 Turpentine 4c gallon

The foremost event in the industrial raw material field this week, is the further decline in the price of turpentine. During the week the price continued to recede and closed 4c gallon lower than last week. A heavy volume of material continues to flow into Savannah and with this condition expected to remain, consumers are not buying heavily. Locally the rosin movement is fairly good on the declining market but in the south, spot demand is lacking and prices are easing off with the influx of heavy production.

The spot market on sodium nitrate was not very active during the week some resale business was effected, but buyers seem to have covered over their requirements over the month, and no large buying is anticipated until the new prices are in force. Sulfate of ammonia is still moving well in the south but local dealers are awaiting the announcement of the new scale of prices, which will probably be released next week. South American blood and tankage are higher on an increased demand from Pacific coast interests.

Tanning materials are quiet and although prices are lower in most directions, movement fails to rise above a hand to mouth volume. Divi-divi, mangrove bark, myrobalans, sumac and valonia mixtures have all been reduced, owing to the lack of buying interest. Local stocks are small and sellers are anxious to move before the arrival of new crops.

London shellac is higher but no material change has been felt here. Gums are at a stand-still. Waxes are commanding a fair interest at unchanged prices. Starches and dextrines are unchanged but present a sharper tone, particularly those of the corn variety, which will undoubtedly rise, following the ascending corn market. Antimony is lower on an easy market.

Albumen—The base price for edible material is the same, but the range is wider from 90c@97c lb. dependant upon quality. Techni-

cal is unchanged at 85c@86c lb. and shipments are regular and high grade material is featured. Spot stocks are sufficient to cover the moderate demand.

Bees Wax — Continues in fair demand at 43c@44c lb. for yellow refined and 39c@40c for crude. Commercial brings 25c@35c lb. as to quantity.

Carnauba Wax — All grades retain the same tone and prices are unaltered. No. 1 yellow is offered at 58c@60c lb. and No. 2, north country at 37c@39c lb.

Cudbear — Is uninteresting to buyers at 16c@17c lb. on a quiet and easy market.

Dextrin — Corn dextrin is unchanged at the moment and is offered at \$3.72 100 lbs. in carlots, but as corn is climbing, an advance in dextrin is expected momentarily.

Divi Divi — Is quiet and business may be done for pods at \$47.00 ton. Interest is lacking and indications do not point to a renewed activity until the Fall.

Gums Varnish — Are exceedingly dull, there is nothing outstanding as to movement and supplies are easily procurable with the exception of mastic gum which is scarce both here and in the primary markets.

Japan Wax — A weakening tendency is noted, but the price is holding at 19c lb.

Mangrove Bark — The absence of buying interest caused a recession to \$37.50 ton and the recent shortage has been covered and business is dull and colorless.

Quebracho — Solid 63% material is higher on greater replacement costs and is now named at 5c@5 1/4c lb. but business in the same routine manner.

Rosins—Local business has been fairly good on the decline and current prices are: B,D, \$9.55; E,F,G,H, \$9.60; I,K, \$9.65, M, \$9.70 N, \$9.75; WG \$10.20 and WW \$10.30.

Starches — Following the steady climb of corn, an advance, over the present figure of \$3.07, 100 lbs., is imminent. The remaining grades are unchanged and in average movement.

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Valonia — Mixtures are down \$3.00 ton and the lack of consuming interest created the new level of \$52.00 ton.

(Special to CHEMICAL MARKETS)

Savannah, Ga., June 25, 1927—

This week shows another material decline in price of turpentine, as it closed to-day at 47c gallon. Prices quoted to-day are 4c gallon lower than a week ago, 12½c gallon below last month and 35c gallon under the corresponding date last year. As explained last week, the heavy volume of receipts is responsible for the continued declining market. A further heavy flow of receipts is expected during the coming week and the present month's production is of such quantity that the large consumers are not interested and do not show any confidence in present values, apparently expecting even lower figures. In consequence the demand is far below the heavy stock of available supplies. Receipts of turpentine this week were 7,381 barrels, sales were reported at 3,793 barrels, (additional sales on private terms and contract withdrawals about 3,000 bbls.), shipments 8,436 barrels and present stock in Savannah, 22,870 bbls.

This has been another week of heavy rosin receipts and as there was not sufficient urgent demand, at hand, sellers lowered their prices. The heavy offerings and the anxiety on the part of many producers are also accomplished in forcing the price down. The undertone, however is steady and even if the market weakens during the coming week, an immediate recovery is probable. Receipts this week were recorded of 24,062 barrels, and sales 11,621 barrels, (spot sales and deliveries on contract about 10,000 barrels additional). A good volume of shipments was noted of 30,079 barrels and present stock in Savannah is 70,365 bbls., about 6,000 barrels less than last week. Current prices are, X, WW, \$8.40@\$.75; WG, \$8.40@\$.85; N, \$7.90@\$.75; M, \$7.80@\$.75; K, I, H, G, F, E, D, B, \$7.80

Jacksonville, Fla., June 25, 1927—Turpentine closed at 47½c gal. with all to-day's offerings sold to one buyer. Remaining stocks on June 24th, 21,664 barrels. Rosin closed firm with present stocks of 63,607 barrels offered at: X, WW \$8.40@\$.85; WG \$8.40@\$.85; N \$7.95; M \$7.85; K, I, H, G, F, E, D, B, \$7.80.

CERTAIN-TEED MERGER

George M. Brown, president Certain-teed Products Corp. said that plans for the acquisition of other companies had progressed so far that an announcement of the names of the properties involved might be expected soon. "A definite announcement of some of these plans may be made very shortly, although full completion may extend over the remainder of the year," he added.

"The plans," Mr. Brown continued, "call for the exchange of Certain-teed stock for the stocks or properties of the other companies and no financing additional to the 93, shares of Certain-teed stock recently offered for listing on the New York Stock Exchange is contemplated in any of the proposed undertakings.

"The enlarged company will be very strong in net quick assets, in addition to large property values. It is estimated that a large amount of money can be saved from the expense accounts of the companies involved by unifying the management. The savings on freight costs are also expected to be a very large item, as the various companies handle thousands of tons of freight annually."

Mr. Brown expressed confidence that "the extra profits and savings arising from joint operation of the various companies, when applied to the Certain-teed stock to be issued for these properties will be equivalent to more than the present \$4 dividend rate."

CALCO CO. ABSORBS WILLIAMSBURG CHEM.

Calco Chemical Co. has purchased the entire business and good will of Williamsburg Chemical Co., 230 Morgan ave., Brooklyn. The Williamsburg Company has for a number of years manufactured and sold to consumers basic dyestuffs, chief among which were malachite green, brilliant green, methylene blue, methylene green, and, more recently, safranin.

A notice has been sent by Williamsburg Chemical Co. to its customers asking them to place their orders with Calco Chemical Co., Bound Brook, N. J.

Davison Chemical Co., has leased the plant of Lewes Fertilizer Co., Lewes, Del. Davison plans to ship acid phosphates from its Curtis Bay plant to that point and mix it with fish scrap produced there.

Divisional Topics Before Chemical Society

Detroit Meeting Will Feature "Lacquers," Antiknock Problems, and Linseed Oil Drying—Golf, Trips to Nearby Resorts and Numerous Entertainments on the Program—Council Meets on Monday, Sept 5—Chairmen of Committees

American Chemical Society's Detroit convention, Sept. 5-12, opens on Monday, Sept. 5, with meeting of the Council at Hotel Statler. Divisional meetings begin on Tuesday when general meetings convene. Entertainments and excursions begin immediately. Public meetings and divisional meetings continue each day together with golf tours, dinners and trips to nearby resorts, including East Lansing, 80 miles by train, bus or auto, Michigan State College new Chemistry Building and others.

Midland, 120 miles by train or auto, the Dow Chemical Co.

Mt. Clemens, the Carlsbad of America, 25 miles by bus, suburban car, or auto.

The chairmen of convention committees are:

General Chairman, W. P. Putnam, Detroit Testing Laboratory.

Finance, Geo. W. Winchester, Morgan & Wright Rubber Co.

Reception, F. O. Taylor, Parke, Davis & Co.

Entertainment, E. G. Richardson, Berry Bros.

Banquet, Niels C. Orved, Detroit Motorbus Co.

Divisional Meetings, J. D. Patterson, Cass Technical High School.

Group Dinners, L. W. Rowe, Parke, Davis & Co.

Registration, R. R. Jared, Cass Technical High School.

Plant Visitation, W. G. Neuson, Morgan & Wright Rubber Co.

Public Meetings, W. P. Putnam.

Exhibits, H. V. Cadwell, 2412 Virginia Park.

Transportation, David Segal, Hupp Motor Car Co.

Golf Tournament, H. T. Graber, Digestive Ferments Co.

Hotels and Publicity, H. C. Hamilton, Parke, Davis & Co.

Ladies' Entertainment, Miss Icie G. Macy, Merrill-Palmer School.

The Colloid Division will meet for business purposes only, it already having held its Colloid Symposium at Ann Arbor, Mich., June 22 to 24.

On Tuesday afternoon four general divisional meetings will be held:

A joint meeting of the Divisions

of Industrial and Engineering Chemistry and Petroleum Chemistry in a symposium on "Chemistry's Contribution to Automotive Transportation." This symposium will continue at subsequent sessions.

Joint general meeting of the Agricultural and Food, Biological, Dye, and Medicinal Products Divisions.

Meeting of the Organic Division.

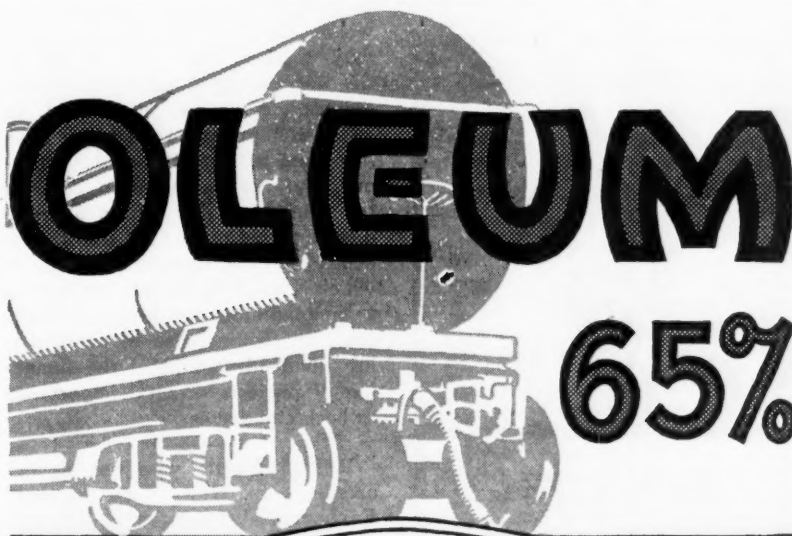
Meeting of the Physical and Inorganic Division. Regular divisional meetings will be held all day Wednesday, and Thursday and Friday mornings.

The Gas and Fuel Division will hold a symposium on "The Chemistry of Industrial Gas" and is considering a half-day session with the Petroleum Division for papers on combustion in the automobile engine, including antiknock problems.

The History of Chemistry Section will hold two half-day sessions, important papers having already been promised by C. A. Browne, Earl K. Caley, Frank B. Dains, Edgar F. Smith, and Tenney L. Davis.

The Paint and Varnish Division will hold its first program with divisional status and is planning to celebrate with a special program. It will hold three half-day sessions. There will be a symposium on "Lacquers" under the chairmanship of C. R. Bragdon of the Ault & Wiborg Co., Cincinnati. The program of the previous meeting on linseed-oil drying will also be continued by several authors at Detroit, the subject having developed keen interest. Although the limiting date is Aug. 5, as with other divisions, the secretary requests the members to have papers in his hands not later than July 25 in order to assist the work of the program committee.

U. S. Industrial Alcohol has declared a quarterly dividend of \$1.25, payable Aug. 1 to stockholders of record July 15.



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INTERNATIONAL MATCH

Dividend of 80 cents a share declared on International Match Corp., common stock is in line with the statement to shareholders in the annual report that it was proposed to place the common stock on the same dividend basis as the preferred, says Boston News Bureau. As Swedish Match Co., owns 1,000,000 of the 1,000,990 International Match common shares, it is now drawing at the rate of \$3,200,000 a year from its American subsidiary in addition to the earnings from its own large operations.

Dividend at the rate of \$3.20 a share on both the 1,450,000 shares participating preference stock and the 1,000,990 common shares total \$7,840,000 a year. This is not much more than half the 1926 net profits of \$14,586,272. If certain important undertakings now pending should come to fruition the earnings of International Match should continue the sharp expansion which has marked them since incorporation in 1923.

Of significance to the preferred stockholders is the fact that this issue must participate with the common in any payments in excess of \$2.60 a share on the common. In addition is the very unusual provision that the preference shares may receive higher dividends at the unconditioned discretion of directors. As a matter of fact, in 1925 the preferred dividend was increased from \$2.60 to \$3.20 without anything having been paid on the common. The failure of Swedish Match Co. to take down dividends on its common stock, to which it had a right, was not wholly a magnanimous forbearance, however, as the increase in participating dividend facilitated the financing of projects of vital importance to both companies.

William Beatty who was elected president of New York Produce Exchange, June 6, was born in Montreal, went to school there, came to New York in 1899, engaged in business with his brother, and became an American citizen. For twenty-nine years Mr. Beatty has been associated with Barnes Ames Co. When Mr. Barnes became head of Federal Grain Corp., Mr. Beatty took over its comptrollership and the charge of its funds.

Smith-Weihman Oil Co., New York City, has changed its name to Smith-Weihman Co.

ARCHER-DANIELS INCOME

Archer-Daniels-Midland Co. reports for the quarter ended May 31, net income of \$418,105 after depreciation, income taxes, equal after preferred dividends to \$1.72 a share on outstanding common stock. This compares with \$411,529, or \$1.66 a share on common in the same quarter of 1926.

The net income for nine months ended May 31, amounted to \$1,087,066, or \$4.31 a share on the common, compared with \$1,157,999, or \$4.61 a share on common in the corresponding period of 1926.

Henry Dreyfus, London, general manager of British Celanese, Ltd., is authoritatively named as purchaser of 500,000 Celanese, Ltd., preferred shares sold by the British Government at 20s each. This ends participation of the British Government in the company. London newspapers state that J. P. Morgan & Co., American bankers, are not underwriting the new stock issue of Celanese Corp., of America, but are sponsoring it.

Fifty shares Salts Textile Manufacturing Co. preferred stock were sold at auction recently by Adrian H. Muller & Sons, New York, for \$36. Other stocks sold by the same auctioneers are ten shares Asbestos Corp. of America, preferred, and twenty shares common \$1.; 63 shares preferred and 144 common, Asbestos Co., \$3.00; 10 shares preferred, 20 shares common \$1.

Freeport Texas Co. has declared a quarterly dividend of \$1 and extra dividend of 25 cents, both payable Aug. 1 on stock of record July 1.

Cook Paint and Varnish Co., incorporated under laws of Delaware, has increased its authorized capital from 67,000 to 350,000 shares of common stock, no par.

Beaver Products Co., Buffalo, refuses to confirm rumors that its plant will be merged with Certain-teed and Glidden.

Suchar Process Corp., New York, has merged Suchar Rights Corp. and Suchar By-Products Corp.

Lucas Co., Philadelphia, has increased its capital from \$5,000 to \$20,000.

Chemicals Used in Automobiles

Industrial Chemists Will Explain Part Played In Manufacturing at Meeting of American Chemical Society in Detroit, Sept. 6—Three-Day Symposium Planned—Leading Manufacturers to Take Part—Topics to Be Discussed

(Special to CHEMICAL MARKETS)

Detroit, Mich., June 27—Chemistry's contribution to automotive transportation is to be a three-day theme in a symposium by the American Chemical Society when it meets in Detroit, Sept. 6, owing to the large amounts of acids, alkalis, fluxes, rosin, resins, cyanide, bone, celluloid, glue, graphite, grinding wheels, lime, pumice, stone, cork, asbestos, felt, hair, jute, cotton, and pulp products in the industry.

In addition, brick, sand, tar, and asphalt are used in the roads and bridges that have developed right along with the automobile.

Speakers and their topics at the symposium, which is being arranged under the direction of Dr. Thomas A. Boyd, Director of Fuel Research at General Motors Laboratories, Detroit, will include: J. A. Matthews, Vice-President, Crucible Steel Co., of America, New York, "Iron and Steel;" H. W. Gillett, Chief Metallurgist, U. S. Bureau of Standards, Washington, "Non-ferrous Alloys;" Francis C. Frary, Director of research, Aluminum Co. of America, New Kensington, Pa., "Aluminum and Its Alloys;" W. C. Geer, former vice-president, B. F. Goodrich Co., Akron, O., "Rubber;" E. W. Tillotson, assistant director, Mellon Institute, Pittsburgh, "Glass;" H. C. Mougey, Research Laboratories, General Motors Corp., Detroit, "Paint, Varnish, and Lacquer;" Hamilton Bradshaw, assistant chemical director, du Pont Co., Wilmington, Del., "Coated Fabrics;" A. H. V. Mory, associate director of research, Bakelite Corp., Bloomfield, N. J., "Synthetic Resins;" W. L. Reinhardt, chemical engineer, Willard Storage Battery Co., Cleveland, O., "Storage Batteries;" J. B. Hill, chief chemist Atlantic Refining Co., Philadelphia, "Fuels;" L. W. Parsons, chief chemist, Tide Water Oil Co., Bayonne, N. J., "Lubricants;" D. B. Keyes, professor of industrial chemistry, University of Illinois, "Anti-Freeze Compounds;" William Blum, U. S. Bureau of Standards, Washington, and president, American Electrochemical Society, "Plating;" Charles M. Upham, director, Highway Research Board, Washington, "Road

Materials;" Norman Hertz, vice-president, Max Hertz Leather Co., Newark, N. J., "Leather."

SEMET-SOLVAY ORDERS

Semet-Solvay Engineering Corporation is remodeling the water gas plant of Pennsylvania Power & Light Corp. Construction is going forward on a washer cooler, a wash box, considerable plant piping and other miscellaneous equipment. Two water gas machines are now in service.


The company has also received an order from Lawrence Gas & Electric Co. for an addition to its gas purifying equipment. The purifier will be of welded steel construction, 30 feet wide, 50 feet long and 15 feet deep, built in two compartments, each containing three layers of Steere purifier trays.

NEW DUPONT COLOR

E. I. duPont de Nemours & Co. have placed on the market Sulfogene Olive Drab Y, which when after-treated, which is the custom for this type of color, gives a very desirable olive drab shade of extremely good fastness, says the dyestuff department.

Sulfogene Olive Drab Y has excellent dyeing properties, is very soluble, penetrates extremely well and is an excellent dyestuff for all types of machine dyeing. The shade is such that it can substitute the usual combinations of sulfur colors employed for olive drab and similar shades.

Used without after-treatment Sulfogene Olive Drab Y gives a bright greenish olive drab with fastness only a trifle inferior to that of the after-treated dyeings, except where fastness to mercerizing is required. Sulfogene Olive Drab Y can be used without reservation for practically any kind of work where olive drab is required as base or for shading as it works satisfactorily under a wide range of conditions.



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Import Manifests

Heavy Chemicals and
Other Industrial Raw
Materials.

IMPORTS AT NEW YORK

June 21 to 28

ACIDS—Formic, 80 balloons, Roessler & Hasslacher Chem. Co., Rotterdam; 352 Balloons Gallagher & Ascher, Rotterdam; **Oxalic**, 40 cks., Roessler & Hasslacher Chem. Co., Rotterdam; **Stearic**, 40 bgs., C. R. Spence & Co., Rotterdam

ALCOHOL—Denatured, 40 drs., C. Esteve Arecibo; **Methyl**, 395 drs., Kuttroff Pickhardt Co., Rotterdam

ALUMINUM—Chloride, 1 ck. National Process Corp., Rotterdam

AMMONIUM SALTS—Carbonate, 15 cks., Roessler & Hasslacher Chem. Co., Rotterdam; **Nitrate**, 443 cks., R. W. Greeff & Co., Oslo; 119 cks., R. W. Greeff Co., Oslo

ANTIMONY—Oxide, 125 cks., Composition Metal Co., Antwerp; **Regulus**, 1000 cs., Wah Chang Trdg. Corp., Changsha; 300 cs., Mitsui & Co., Osaka

ARSENIC—White, 142 brls., American Smelting & Ref. Co., Havre

BARIUM—Chloride, 26 cks., R. W. Greeff & Co., Antwerp; 12 cks., Th. Goldschmidt Corp., Rotterdam

BARYTES—500,000 kilos, Ore & Chemical Corp., Rotterdam

BLANC FIXE—1 ck., Titanium Pigment Co., Oslo

BLOOD—Albumen, 13 cks., C. H. Reisig Inc., Hamburg

BONE FLOUR—907 bgs., Central Union Trust Co., Antwerp

BUTYL—Acetate, 300 drs., Kuttroff Pickhardt & Co., Rotterdam; **Butyrate**, 10 drs., Kuttroff Pickhardt & Co., Rotterdam

CAMPHOR—Synthetic, 360 cs., E. I. DuPont de Nemours Co., Hamburg; 450 cs., E. I. DuPont de Nemours Co., Rotterdam

CARBON—355 bgs., L. A. Salomon & Bro., Rotterdam

CASEIN—1834 bgs., Kalbfleisch Corp., Buenos Aires; 834 bgs., Atterbury Bros., Buenos Aires; 1251 bgs., T. M. Duche & Sons, Buenos Aires; 500 bgs., Order, Buenos Aires

CHALK—227 bgs., H. J. Baker & Bro., Bristol

CHEMICALS—37 cks. General Dyestuff Corp., Hamburg; 60 drs., A. Klipstein & Co., Hamburg; 13 cks., General Dyestuff Corp., Rotterdam; 150 kegs, F. Van Geisten, Rotterdam; 5 cs., Magnus Mabec & Reynard, Hamburg; 60 brls., Mallinckrodt Chem. Works., Hamburg; 10 cs., N. Y. Quinine & Chem. Works, Hamburg; 31 cks., Jungmann & Co., Hamburg; 11 cs., 61 cks., Pflatz & Bauer, Hamburg; 40 pgs., Stanley Doggett Inc., Liverpool; 2 cs., Johnston & Son, London

CHROMIUM GREEN OXIDE—16 cks., Reichard Coulston Inc., Rotterdam

COLORS—8 cks., Sandoz Chem. Works, Rotterdam; 3 cks., B. Bernard, Genoa; 2 cks., American Exchange Irving Trust Co., Rotterdam; 11 cks., Geigy Co., Rotterdam; 1 ck., American Exchange Bank, Genoa; 27 pgs., Ciba Co., Rotterdam; 7 cks., Carbic Color & Chem. Co., Havre; 4 cks., Geigy Co., Antwerp; 4 cks., Bank of Manhattan Co., Antwerp; 2 cks., B. Bernard, Antwerp; 8 cks., L & R Organic Lab., Antwerp; 1 brl., B. Bernard, Genoa; 19 brls., L & R Organic Lab., Genoa; 1 cse., H. W. Robinson Co., Bremen; 2cs., B. F. Drakenfeld Co., Bremen; 1 se., General Dyestuff Corp., Rotterdam; **Alizarine**, 1 cse., 1 ck., General Dyestuff Corp., Rotterdam; **Bronze Powder**, 9 cs., B. F. Drakenfeld & Co., Bremen; **Coal Tar**, 22 cks., General Dyestuff Corp., Rotterdam; **Earth**, 14 cks., E. L. Bullock & Sons, Rotterdam; 10 brls., Reichard Coulston Inc., Leghorn; 39 cs., Fezandie & Sperrle, Bremen; 67 cs., Schenck, Inc., Hamburg

ETHYL CHLOROCARBONATE—217 carboys Kuttroff Pickhardt & Co., Rotterdam

EXTRACTS—Archil Liquid, 10 cks., A. De Ronde & Co., London; **Quebracho**, 17969 bgs., International Products Co., Buenos Aires; 14689 bgs., International Products Co., Buenos Aires; 2040 bgs., Schmoll Fils Inc., Buenos Aires

FLUORSPAR—800 tons Cracker Bros., Toulon 1000 tons, American Steel Export Co., Toulon

GELATIN—31 brls., H. A. Sinclair, Rotterdam; 86 cs., W. E. Miller, Havre

GLUE—100 bgs., H. Bierschenk Co., Liverpool 30 cks., 50 bgs., W. E. Miller, Antwerp; 201 bgs., National Gum & Mica Co., Bristol; 268 bgs., J. J. Shore & Co., Rotterdam

GLYCERINE—40 drs., Hercules Powder Co., Rotterdam

GUMS—Chicle, 179 brls., Royal Bank of Canada, Trinidad; **Copal**, 125 bgs., A. Klipstein & Co., Antwerp; **Hashab**, 1130 bgs., Thurston & Braidish Port Sudan; 105 bgs., S. B. Penick & Co., Port Sudan; 125 bgs., National Gum & Mica Co., Port Sudan; 781 bgs., Order, Port Sudan; **Yacca**, 306 bgs., Order, Port Adelaide; 150 bgs., G. H. Lincks Port Adelaide; 150 bgs., S. Winterbourne & Co., Port Adelaide; 225 bgs., Nat. Bank of Commerce, Port Adelaide

HARTSHORN SALTS—20 cks., Phillip Bros., Rotterdam

IRON OXIDE—3 kegs, J. A. Mc Nulty, Liverpool; 18 cks., Reichard Coulston Inc., Bristol; 89 cks., C. J. Osborn & Co., Bristol; 62 cks., Reichard Coulston Inc., Bristol; 160 bgs., G. Z. Collins & Co., Bristol; 370 brls., C. K. Williams & Co., Malaga; 100 brls., Smith Chem. Color Co., Malaga; 19 cks., J. A. Mc Nulty, Liverpool; 12 cks., Reichard Coulston Inc., Liverpool; **Powder**, 10 cs., Mallinckrodt Chem. Works, Rotterdam

KAOLIN—250 cks., D. F. Young, Hamburg

LAKASOL—40 drs., J. C. Browne, St. Croix; 94 drs., J. C. Browne, San Juan

LITHOPONE—400 cks., B. Moore, Rotterdam; 15 cks., Whittaker, Clarke & Daniels, Rotterdam

MAGNESIA—4 cs., Alps Drug Co., Genoa

MAGNESITE—41 brls., 200 bgs., Speiden Whitfield Co., Rotterdam; **Calcined**, 200 bgs., Speiden Whitfield Co., Rotterdam; 200 bgs., Speiden Whitfield Co., Rotterdam

MANGANESE BORATE—5 cks., C. B. Chrysal Co., Bristol

METHYLENE CHLORIDE—1 drum Kuttroff Pickhardt & Co., Rotterdam

MINERAL WHITE—50 cks., African Metal Corp., Antwerp

MYROBALANS—2400 pkts., Tannin Corp., Calcutta

OCHRE—60 cks., Hummel & Robinson, Marseilles

OILS—Castor, 10 cs., Alps Drug Co., Genoa; **Coconut**, 117 tons, Spencer Kellogg & Sons, Manila; **Cod**, 5 cks., United Feed Co., St. Johns; 40 cks., R. Badcock & Co., St. Johns; **Codliver**, 75 brls., Lanman & Kemp, Bergen; 100 brls., Dissosway Co., Bergen; 50 brls., United Feed Co., Bergen; 125 brls., Norwich Pharm. Co., Rotterdam; **Haarlem**, 20 cs., Kronfeld Saunders Co., Rotterdam; 25 cs., Order, Rotterdam; **Olive**, 100 cs., J. Solari & Co., Genoa; 100 cs., Merotta & Cella, Genoa; 120 cs., Di Santo & Co., Genoa; 100 cs., A. Vivli, Genoa; 50 cs., A. Dauria, Genoa; 25 cs., F. Viconanza, Genoa; 200 cs., Latorra Bros., Naples; 25 drs., La Victoria Prod. Co., Seville; **Palm**, 40 cks., C. B. Ollivant & Co., Port Harourt; 247 cks., W & A Leaman, Abonema; 62 cks., Wishnick Tumpier Inc., Abonema; **Peanut**, 5 brls., Lamont Corliss & Co., Rotterdam; **Rapeseed**, 298 tons, Vacuum Oil Co., Kobe; 120 drs., Mitsui & Co., Osaka; **Seal**, 60 brls., R. Badcock & Co., St. Johns; **Soya Bean**, 687 tons, Mitsui & Co., Dairen; **Sulphur**, 800,000 kilos, Leghorn Trdg. Co., Bari; **Wood**, 160 brls., Mitsubishi Shoji, Kaisha, Hongkong

PHENYLDIMETHYL—50 cks., H. A. Metz, Rotterdam

POTASSIUM SALTS—25 cks., Interstate Chem. Co., Rotterdam; **Carbonate**, 130 brls., Innis Speiden & Co., Hamburg; **Caustic**, 35 cs., Mallinckrodt Chem. Works, Rotterdam; **Nitrate**, 325 bgs., G. W. Sheldon & Co., Bordeaux

QUICKSILVER—300 flasks, H. W. Peabody & Co., Leghorn; 25 flasks, Haas Bros., Vera Cruz

SAL AMMONIAC—25 cks., 30 brls., C. De P. Field & Co., Bristol; 100 cks., H. Hinrichs Chem. Corp., Rotterdam

SALTPETER—80 cks., Superfos Co., Hamburg

SAPONIN—5 cs., Jungmann & Co., Hamburg

SEAMOSS—50 bls., Innis Speiden & Co., Havre

SODIUM—Bisulfate, 1 ck., Geigy Co., Antwerp; **Bromide**, 21 cs., Superfos Co., Hamburg; **Carbonate**, 10 kegs Johnson & Sons, London; **Cyanide**, 560 cans, C. Hardy Inc., Havre; **Disoda Phosphate**, 283 cks., 190 bgs., Rhodia Chem. Co., Rotterdam; 223 cks., Rhodia Chem. Co., Rotterdam; **Nitrate**, 254 bgs., Kuttroff Pickhardt & Co., Hamburg; **Nitrate**, 50 cks., Kuttroff Pickhardt & Co., Rotterdam; **Phosphate**, 1 cse., Innis Speiden & Co., Antwerp; 72 cks., 1 cse. Innis Speiden & Co., Antwerp; 67 brls., A. Klipstein & Co., Antwerp; 200 bgs., A. Klipstein & Co., Rotterdam; **Prussiate**, 20 cs., E. Ditzgen, Rotterdam; **Sulfate**, 125 cks., Order, Rotterdam

SPAR—Heavy, 600 bgs., E. L. Bullock & Sons, Rotterdam

STROMTIUM—Carbonate, 3 cks., Manahan Chem Co., Hamburg

SUMAC—350 bgs., A. Klipstein & Co., Palermo

TARTAR—190 bgs., Pfizer & Co., Marseilles; 42 bgs., Parsons & Petit, Bordeaux

WAX—Bees, 68 bgs., Strahl & Pitsch, Rotterdam; 40 bgs., Arkell & Douglas, Lisbon; 10 bgs., J. J. Julia & Co., Ezua; 9 bgs., Mecke & Co., Azua; 7 bgs., Selma Mercantile Corp., Azua; 4 bgs., W. S. Hall & Co., Domingo City; 106 bgs., C. W. Jacob & Allison, Aden; 27 bgs., D. Steengrafe, Tampico; 35 bgs., F. C. Luthi & Co., Tampico; 14 bgs., R. J. Vogel So., Tampico; **Candelilla**, 40 bgs., C. W. Jacob & Allison, Tampico; **Carnauba**, 131 bgs., F. B. Ross & Co., Ceara; 62 bgs., C. W. Jacob & Allison, Ceara; 226 bgs., Strohmeier & Arpe, Ceara

WHITING—3000 bgs., Grace Nat. Bank, Havre 498 bgs., E. L. Bullock & Sons, Antwerp

WOODFLOUR—200 bgs., Speiden Whitfield Co., Rotterdam; 30 bgs., A. Kramer & Co., Rotterdam; 580 bgs., State Chem Co., Rotterdam

WOOL GREASE—31 brls., Hummel & Robinson, Bremen

ZINC—Chloride, 1 Drum Roessler & Hasslacher Chem. Co., Hamburg

IMPORTS TO PHILADELPHIA
June 15 to 22

ACID—Cresylic, 44 drms., Baldwin Universal Co., Rotterdam; 50 drms., Order, Hamburg; **Formic**, 128 demijohns, Order, Hamburg

ALLOY—Ferro, 607 bgs., Truempy, Faesy & Besthoff, Inc., Genoa

BARK—Wattle, 580 cs., Inte-nat. Products Corp., Port Natal; **Chopped**, 672 bgs., Int Products Corp., East London

BAUXITE—Residue, 1,025,758 kilos, Franklin Fourth St Nat Bank, Hamburg

BONE MEAL—8,500 bgs., Ralli Bros., Rotterdam

CARBON BLACK—70 bbls., E. L. Bullock Sons, Inc., Havre

CASEIN—1,059 bgs., Order, Havre

CHALK—2,000 bgs., Chatham Phenix Nat Bank & Trust Co., Antwerp; 2,000 bgs., Order, Antwerp

CHEMICALS—10 bbls., Order, Bremen; 69 drms., Superfos Co., Hamburg; 77 demijohns, Order, Hamburg; 167 balloons, Order, Hamburg; 19 bbls., Order, Hamburg; 41 cs., Order, Hamburg; 25 cs., Order, Gotenburg; 216 cks., Order, Rotterdam; 320 balloons, Roessler & Hasslacher Chemical Co., Rotterdam; 15 cks., Roessler & Hasslacher Chemical Co., Rotterdam; 52 drms., Chase Nat Bank, Rotterdam; 25 drms., Order, Rotterdam

DEXTRINE—50 bgs., Stein, Hall & Co., Copenhagen

FERTILIZER—Grass, 24 drms., O G Hempstead & Son, Liverpool; 2 cs., O G Hempstead & Son, Liverpool

FLUORSPAR—1,008,920 kilos, Order, Bremen

FUSTIAN—111 bls., E. A. Stone & Co., Bremen

GLYCERINE—30 cks., Order, Marseilles; 13 cks., Order, Marseilles; 60 drms., Order, St. Nazaire; 40 cks., Order, Marseilles; 12 cks., Order, Marseilles; 20 drms., Order, Valencia; **Saponification**, 10 drms., Order, Antwerp

GUM—C-pal, 200 bgs., Capitol Nat Bank, Antwerp; 135 bgs., J H Faunce, Inc., Liverpool
GYPSPUM—30 kegs, A Murphy & Co., Hamburg; Crude, 22 bgs., Order, Hamburg
HYDRO PEROXIDE—84 crbys., Gallagher & Ascher, Dunkirk
KALIUM—Chlorat, 2,200 csk., Am Exchange Irving Trust Co., Hamburg; Titan Oxalat, 77 csk., Superfos Co., Hamburg
LIME—Chlorinated, 35 csk., M Kohnstamm & Co., Inc., Liverpool
LINSEED—48,279 bgs., Order, Rosario; 24-10/ bgs., Order, Buenos Aires
LITHOPONE—60 csk., African Metals Corp., Antwerp
MAGNESITE—94 bbls., Chatham Phenix Nat Bank, Rotterdam
MOLASSES—Bla.kst.ap, 612,270 gals., North American Trading & Import Co., Havana
OCHRE—80 csk., Grace Nat Bk., Marseilles; 100 csk., J Lee Smith Co., Marseilles
OIL—Cod, 100 csk., Order, Copenhagen; Codliver, 125 bbls., Silmo Chemical Co., Stavanger; Mineral Lub. 1 cse., Atlantic Ref Co., Genoa; Olive, 50 cs., P Pastene Co., Genoa; Palm Kernel, 89 csk., Order, Rotterdam; Sulfur, 300 bbls., Order, Naples; 100 bbls., Brown Bros. & Co., Leghorn
ORE—Chrome, 6,700 tons, E J Lavino & Co., Beira; Iron, 4,050 tons, Order, Bougie; 6,000 tons, Phila-Girard Nat Bank, Bizerta; 5,565 tons, Alan Wood Iron & Steel Co., Benisaf
OSSEINE—750 bgs., Order, Marseilles
OXIDE—Cobalt, 15 cs., E S Neilson, Liverpool
PLASTER—Paris, 1,500 bgs., Order, Hamburg
POTASH—Caustic, 50 drums, Order, Hamburg; Chloride, 5,000 bgs., Order, Barcelona; Muriate, 2,000 bgs., Potash Importing Corp., Antwerp; Nitrate, 200 bgs., Order, Dunkirk; 100 bbls., Order, Dunkirk
SALT—Manure, 365,500 kilos, Potash Importing Corp., Antwerp
SODIUM—Cyanide, 350 drms., Order, Liverpool; 192 cs., Roessler & Hasslacher Chem Co., Rotterdam; Nitrate, 1,540 bgs., R W Greeff & Co., Brevik; Phosphate, 72 bbls., Order, Antwerp; Prussiate, 54 csk., Order, Liverpool; Silica Fluoride, 200 bgs., Order, Copenhagen; 81 bbls., Order, Copenhagen; Sulfide, 150 drms., Order, Rotterdam
SYLVANITE—43,900 kilos, Potash Importing Corp., Antwerp
TALC—500 bgs., Whittaker, Clark & Daniels, Bordeaux; 200 bgs., L A Salomon & Bro., Genoa

IMPORTS AT NORFOLK

June 2 to 9

QUEBRACHO EXTRACT—1,986 bags, 212,000 lbs., The Tannin Corp., Buenos Aires
GYPSPUM—Crude Calcium Sulphate, 2,000 tons Eastern Cotton Oil Company, Windsor, N S., 1,450 tons, Chas W Priddy & Co., Cheverie; 1,800 tons, Eastern Cotton Oil Co., Windsor, N. S.
SODIUM SULPHIDE—Flaked, 154 drums, 22 tons, Order, Liverpool

June 9 to 16

PEAT MULL—150 bales, Norton & Ellis, Inc., Bremen
GYPSPUM—Crude Calcium Sulphate, 1,850 tons Chas W Priddy & Company, Walton

June 16 to 23

BLANC FIXE—50 casks, 15,291 kilos, Alex C Fergusson Jr., Rotterdam
QUEBRACHO EXTRACT—3,285 bags, 164,250 kilos, International Products Co., Buenos Aires
WOOL GREASE—1-0 bbls., Order, Manchester

SODIUM—Sulphite, 119 drums, 20,425 kilos, The Superfos Co., Inc., Antwerp; Bisulphite 25 drums, 5,375 kilos, Brown Brothers, Antwerp
GYPSPUM—Crude Calcium Sulphate, 1,400 tons, Charles W Priddy & Co., Cheverie

IMPORTS AT NEW ORLEANS

June 17 to 24

BAUXITE—2,319 tons, Republic Mining Co., Paramaribo
BONE MEAL—1,800 bags, Order, Havre
BENZENE—7,730 tons, N O Refining Co., Curacao
CHLORINE—60 casks, Order, Rotterdam
CHALK—600 sacks, Order, Rotterdam; 600 bgs., Order, Havre
GLYCERINE—100 casks, Order, Rotterdam
GUM—Chicle, 43 bales, Wm Wrigley Co., Progresso

MOLASSES—805,000 gals., American Molasses Co., Havana
SODA NITRATE—47,797 sacks, W R Grace, Iquique

IMPORTS AT BOSTON

June 19 to 26

CHEMICALS—300 bgs., Uhlich & Co., Rotterdam; 43 casks, Order, Rotterdam
CARBONATE—Potash, 59 casks, Irving M Sobin Co., Rotterdam
KALIUM BICARBONICUM—34 casks, R & H Chemical Co., Rotterdam
OXALIC ACID—20 casks, A Klipstein & Co., Rotterdam
YELLOW PRUSSATE OF SODA—9 casks, A. Klipstein & Co., Rotterdam
ZINC—Chloride, 19 casks, Order, Antwerp; Oxide, 170 bbls., Stone & Downer, Antwerp

IMPORTS AT BALTIMORE

June 17 to 23

AMMONIA-NITRATE, 179 casks, R. W. Greeff & Co., Inc., New York, Louisiana, Oslo
BAUXITE—1,474,000 lbs., Bulkley, Dunstan & Co., New York, Westerner, Rotterdam
CHALK—300 bags, 66,660 lbs., to order, Westerner, Antwerp

CLAY—100 casks, 152,680 lbs., Adolphe Hurst & Co., Westerner, Rotterdam
CODLIVER OIL—25 bbls., Muth Bros. & Co., Louisiana, Tonsberg
EARTH COLOR, 6 casks, 3549 lbs., E. M. & F. Walls Inc., Kiel, Hamburg
FLUOR SPAR—4500 tons, William H. Masson, Western Knight, Lorenzo Marques; 2-521,125 bbls., W. G. N. Rukert, Goettingen, Bremen
GINGER—300 bags, Samuel Shapiro & Co., Maine, London
MAGNESITE—20,132 bags, General Refractories Co., Lucia, Trieste; 20,390 bags, General Refractories Co., Lucia, Trieste
ORE—Chrome, 1775 tons, Rhodesian Vanadium Cor., Western Knight, Beira; Manganese, 3,000 tons, Bethlehem Steel Corp., Knapingsborg, Rio de Janeiro; 1,500 tons, Carnegie Steel Co., Katuna, Calcutta
POTASH—Kainit, 1,100,000 lbs., N. V. Potash Export Maatch, Goettingen, Bremen; 601,170 lbs., to order, Goettingen, Bremen; Manure Salt, 1,100,000 lbs., N. V. Potash Export Maatch, Goettingen, Bremen; 607-108 lbs., W. G. N. Rukert, Goettingen, Bremen; 59,426 lbs., N. V. Potash Export, Maatch, Goettingen, Bremen; 397,313 lbs., W. G. N. Rukert Goettingen, Bremen; Mu-



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riate, 2000 bags, N. V. Potash Export,
Maatch, Goettingen, Bremen

SAGO—77 bales, McCormick & Co., Lucia,
Trieste

SALT CAKE—299,200 lbs., A. Klipstein &
Co., New York, Westerner, Rotterdam;
101,200 lbs., Baltimore & Ohio railroad,
Westerner, Rotterdam

SHALE—Green, 284 bags, 20 tons, H. A. Rob-
inson & Co., Inc., Vittorio Emanuele

SODA Nitrate, 205 bags, R. W. Greff & Co.,
Inc., New York, Louisiana, Onsborg

TAPIOCA FLOUR, 250 bags, to order, Javan-
ese Prince, Batavia; 250 bags, to order,
Javanese Prince, Batavia

WOOL GREASE—200 bbls., 89,584 lbs., W. G.
N. Rukert, Westerner, Antwerp; 100 bbls.,
21 tons, William Litchfield, Vittorio Em-
manuele; 300 bbls., 140,93 lbs., W. G. N.
Rukert, Kiel, Hamburg

EXPORTS AT NEW YORK

ACETONE—175 drs., May 10, Kobe

ACIDS—Cresylic, 30 drs., May 18, Calao;

Phosphate, 150 cs., May 27, Rio De Ja-

neiro; Stearic, 16 bgs., June 3, Panama;
2 bgs., June 3, Amapala; Sulphuric, 120 drs.,
May 25, Ariza

ALCOHOL—3 drs., June 2 St. Croix; 47
drs., May 20, London

AMMONIUM SALTS—Anhydrous, 35 cys.,
June 7, Montevideo; Carbonate, 5 cs., June
8, Manila; Sulfate, 224 bgs., June 2 St.
Kitts; 1000 bgs., June 2, Barbados

ASPHALT—300 brls., June 3, Valparaiso; 18
drs., June 3, Helsingfors; 100 brls., June
4, Manchester; 1335 drs., June 3, Glas-
gow; 38 kegs, May 10, Yokohama

CALCIUM—Carbide, 168 drs., June 8, Pto
Mexico; 200 drs., May 7, Calcutta; 50 drs.,
June 3, Punta Arenas; 200 drs., June 3,
Mazatlan; 20 drs., May 13, Limon; 250
drs., June 6, Maracaibo; 20 drs., June 6,
Curacao; 50 kegs, June 4, Pto Plata

CARBON—Black, 12 cs., June 8, Kobe; 50
cs., June 10 Liverpool; 50 cs., June 11, Ge-
noa; Disulfide, 5 drs., June 3, Acapulco

CLAY—155 kegs, June 2, Bremen; 11 kegs,
May 20 London; 250 bgs., June 6, Oslo

COPPER—Sulfate, 100 kegs, June 3, Buenos
Aires

CORN FLOUR—216 bgs., June 4, Belfast;
945 bgs., June 11, Havre

CORNSTARCH—500 cs., May 27, Rio De
Janeiro; 18 cs., June 8, Kobe; 20 cs., June
11, Para; 15 cs., June 11, Manaoas; 300 bgs.,
June 3, Rotterdam; 1440 bgs., May 7, Cal-
cutta; 440 bgs., May 7, Bombay; 80 bgs.,
May 28, Gothenburg; 4632 cs., May 26, Alex-
andria

CYANOGEN—92 drs., May 27, Buenos Aires

DIANISIDINE—20 cs., May 27 Leningrad

DYESTUFFS—23 drs., June 8, Hongkong; 10
brls., June 8, Manila; 8699 drs., May 10,
Shanghai 16 drs., May 25, Hongkong; 170
brls., May 25 Kobe

ETHYLENE—Glycol, 2 drs., June 8, Havre

EXTRACTS—Tanning, 5 brls., May 27, Mon-
tevideo; 32 brls., May 28, London; 12 pgs.,
June 4, Valparaiso; 12 brls., June 8, Havre
FORMALDEHYDE—25 brls., June 3, Buenos
Aires; 5 brls., June 3, Adelaide

GLUCOSE—120 brls., June 3, Glasgow; 80
brls., May 23, Oslo; 20 brls., May 20, Lon-
don; 60 brls., May 20 London; 60 brls.,
June 6, Oslo; 400 brls., May 26, Alexandria;
20 brls., June 1 Lisbon

GRAPHITE—7 cs., May 27 Stockholm; 11
brls., June 3, Glasgow; 5 brls., May 10,
Yokohama; 61 brls., June 3, Rotterdam; 6
brls., May 20, London

INDIGO PASTE—2013 pgs., May 25, Shang-
hai

LEAD ARSENATE—12 cts., May 18, Mel-
bourne; 15 drs., June 3, Sydney; 115 drs.,
June 3, Melbourne; 200 drs., June 3, Mel-
bourne; 15 drs., June 3, Adelaide; 8 cs.,
June 3, Fremantle

LINSEED OILCAKE—828 bgs., June 4, Bel-
fast; 7245 bgs., June 3, Rotterdam; 1308
bgs., June 10, Liverpool; 659 bgs., May 27,
Liverpool; 1304 sks., June 10, Bristol

MALT—1140 bgs., May 27, Rio De Janeiro;
1429 bgs., June 3, Helsingfors; 50 bgs.,
June 4, Calloa; 10,181 bgs., June 3, Buenos
Aires

OCHRE—105 brls., May 23, Libau

OILS—10 brls., June 11, Para; 17 brls., May
20, London; 2 drs., June 3, Sydney; Neats-
foot, 50 cs., May 20, London; 10 drs., May
18, Valparaiso

POTASSIUM SALTS—Chlorate, 20 cs., June
2 Barbados 20 kegs, June, 3 Acapulco;

Xanthate, 12 drs., June 3, Adelaide

ROSIN—20 brls., June 11 Manaoas; 16 brls.,
May 29 Sto Domingo; 250 brls., May 18,
Melbourne; 50 brls., May 13, Algoa Bay

SODIUM SALTS—Ash, 373 brls., May 27, Bue-
nos Aires; 50 brls., May 25, Salaverry; 20
brls., May 18, Gibraltar; Caustic, 500 cs., June
11, Parnahyba; 10 drs., May 25, Singapore;
Nitrate, 127 bgs., June 3, Dominica; 7 bgs.,
June 1, Bona

ZINC—Oxide, 143 brls., June 3, Sydney; 570
brls., June 4, Manchester; 200 brls., May
28, London; 10 brls., June 8, Manila; 400
brls., May 20, London; 200 brls., June 10,
Cardiff; 6 kegs, June 6, La Guaira

SELL INSECTICIDES LOW

Insecticides, germicides, disin-
fectants and fungicides sold in Es-
tonia are of domestic manufacture
and sell at a low price, varying
from 10 to 20 marks per package
(2c to 5c). "Globin", a German
insecticide for moths sells at 12
marks (3 c) per package.

Insecticides and fungicides now
in use in Estonia and the relative
demand are as follows: Nicotine
sulfate—comparatively little used;
lead arsenate—used against all
kinds of ravenous insects; copper
sulfate—used in the preparation of
Bordeaux mixtures; Bordeaux mix-
tures—used widely in Estonia;
paris green—less used than of lead
arsenate; calcium arsenate—widely
used in Estonia; lime sulfur solu-
tion—little used. Sulfur, in any
form—widely used for medical pur-
poses; iron sulfate—widely used in
Estonia; formalin (40 per cent) and
mercuric chloride—widely used in
Estonia.

LABORATORY LISTS

Because of the large amount of
official work of the Bureau of
Standards, Washington, D. C., it is
impracticable for the bureau to
make tests for private individuals
if other laboratories can do the
work. To inform interested per-
sons of the location of other labo-
ratories, the bureau has compiled a
list of the 207 commercial testing
laboratories throughout the coun-
try, together with indications of the
types of commodities which they
are prepared to test.

There has been compiled also a
list of 143 colleges which are used
not only for the purposes of in-
struction, but also to a considerable
extent for research work. Copies
of the Directory of Commercial
Testing and College Research Labo-
ratories, Bureau of Standards Mis-
cellaneous Publication No. 90, may
be obtained from the Superintend-
ent of Documents, Government
Printing Office, Washington, D. C.,
price 15 cents.

CORN PRODUCTS EXTRA

Corn Products Refining Co. declared an extra dividend of 25 cents on the common and has the regular quarterly dividends of 50 cents on the common and 1¼% on the preferred. Both common dividends are payable July 20 to stock of record July 2 and the preferred dividend July 15 to stock of record July 2. Six months ago an extra of 75c was declared on the common stock.

Company earnings in the second quarter of this year approximated the rate shown in the first quarter of 1926, according to an estimate by E. T. Bedford, president. Final figures will of course not be available until some time after the end of the current quarter but basis of operations so far indicates figures comparable with the first quarter when net income after charges of \$2,737,778 was equal to 91c a share on 2,530,000 shares of common stock.

Advance of prices for corn from around 70c to \$1 naturally will be reflected adversely in earning power, but the effect of this will logically be witnessed in third quarter earnings as the rapid advance in the commodity price only materialized within the last few weeks. However, the opinion is expressed that corn is not likely to stay at current levels for long with the new crop coming in.

William Zinsser, president William Zinsser & Co., New York City, has returned from six weeks' visit to England, Scotland and France. Mr. Zinsser was in Paris during the Lindbergh celebrations. He sailed on the Mauretania and saw the Bellanca monoplane "Columbia," on its way to Germany.

Brig. Gen. John P. Wood, prominent textile manufacturer and former Commander of the Fifty-second Cavalry Brigade, Pennsylvania National Guard, died in the Bryn Mawr Hospital, Philadelphia, from injuries received in an automobile accident. He was in his sixty-fourth year.

Dow Chemical Co. has been awarded a contract by the Bureau of Supplies & Accounts, Navy Department, for furnishing several east coast navy yards with 32,000 pounds of ethyl-chloride at \$7,050, bids for which were received June 14.

WOOD OIL SHIPMENT

Wood oil shipped to the United States from June 1 to 22 was 1,860,000 pounds, say cabled advices from Consul General Frank P. Lockhart, Hankow. It is estimated in Hankow that the total June shipments will be 3,000,000 pounds although the log records indicate a slightly higher amount. American river steamers are now en route to Chungking, a town located approximately 780 miles above Hankow, in an attempt to re-establish up-river transportation service.

According to a cable despatch from Commercial Attache Julean Arnold, Shanghai, to the Department of Commerce, the declared export returns from Shanghai to the United States for May indicate a total of 1,208,000 pounds of wood oil. Also for the same month the declared exports from Hong Kong to the United States totaled 2,100,000 pounds of wood oil valued at \$44,000.

Southern Cotton Oil Co. chemists have developed a rubber plant from cottonseed which it is claimed will resist sulfuric acid fumes.

CONCANNON'S VACATION

Washington, D. C., June 29—Charles C. Concannon, chief of Chemical Division, Department of Commerce, expects to sail for Europe from New York, July 9, on the Paris for a two months stay. While the trip is in the nature of a vacation Mr. Concannon will take the opportunity of visiting all chemical plants that he can. He will go to Germany, England, France, Italy, and Switzerland.

WATER SOFTENER SALT

International Salt Co. through its research department, has secured some new facts regarding the economical operation of water softening equipment. The size or capacity of water softeners has an influence on what grade of salt will be most economical for regenerating water softeners and this has now been determined by International Salt Co.

H. D. Ruhm, Jr., New York, son of Herman David Ruhm, fertilizer manufacturer of Columbia, Tenn., formerly of New York, is to wed Miss Martica G. Sturges, daughter of Mr. and Mrs. Clarence Baker Sturges, Southport, Conn.

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TO SECURE COPIES OF PATENTS

U. S., 10c U. S. Patent Office, Washington. British, draft on London, one shilling. British Patent Office, 25 Southampton Bldgs., Chancery Lane, W. C. 2, London. French, one franc, Minister of Commerce & Industry, Paris. German, draft on Berlin, one mark, German Patent Office, Berlin.
Application date appears with each patent.

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1,631,999.—Storing Drying Oils. E. M. S. Chandler, Taunton, Mass. Apr. 29, 1925.
1,32,027.—Emulsified Solid Grease. M. J. Heitmann, Dresden, Germany. Apr. 8, 1925.
1,632,113.—Phenolic Condensation Product. A. L. Brown, Wilkesburg, Pa., assignor, Westinghouse Electric & Mfg. Co., Apr. 7, 1922.
1,632,247.—Rosin Dipper. E. A. Smith, Valdosta, Ga. Aug. 18, 1926.
1,632,252.—Thioindigo Vat Dyestuffs, and process. K. Thiess, C. J. Mueller and E. Runne, Hoechst, and A. Schaeffer, Markheim, Germany, assignors, Grasselli Dyestuff Corp., New York. June 22, 1926.
1,632,299.—Magnesium Chromates. G. Kraenzlein and A. Voss, Hoechst, assignor, Grasselli Dyestuff Corp. June 3, 1926.
1,632,304.—Pump for Viscous Liquids. J. A. Maurer, Breslau, Germany, assignor, Maurer-Textil-Maschinen G.m.b.H. Mar. 9, 1925.
1,632,306.—Preparation of Solutions of Compounds Insoluble or Sparingly Soluble in Water. W. Minnich, Montreux, assignor, Society of Chemical Industry in Basle, Basel, Switzerland. Nov. 10, 1924.
1,632,307.—Peroxide of Lead. Zinc and Sulphuric Acid Accumulators. A. Miotlati, Padova, assignor, Rene Leprestre, Rome, Italy. Apr. 22, 1924.
1,632,309.—Preserving Ether. F. W. Nirtardy, Brooklyn, assignor, E. R. Squibb & Sons, New York. Apr. 20, 1926.

1,632,312.—Converting Chemical Fertilizers to Yeast and Other Organic Materials. F. C. Raeth, Milwaukee. Jan. 25, 1924.
1,632,339.—Extinguishing Fires. K. H. Kiefer, Baltimore. Mar. 14, 1923.
1,632,365.—Paints and stains, process. G. W. Carver, Tuskegee, Ala. June 13, 1923.
1,632,404.—Cementing Material. J. T. Griffin, Oak Park, Ill., assignor, Western Electric Co. New York. Sept. 12, 1922.
1,632,456.—Paving Compositions. C. Swan, Long Beach, Calif. Aug. 17, 1925.
1,632,458.—Filter Aid and process. H. S. Thatcher, Los Angeles, assignor, The Celite Co. July 29, 1925.
1,632,483-5.—Hypochlorites. R. B. MacMullin, Niagara Falls, N. Y. assignor, The Mathieson Alkali Works, New York. Aug. 22, 1925, (2) and Sept. 23, 1925.
1,632,555.—Composition of Matter. G. E. Messinger, New York. Oct. 22, 1923.
1,632,617—1,632,666—1,32,667.—Rubber Vulcanization. S. B. Molony, Conshohocken, Pa., and Y. Nikaido, Bay City, Mich., assignors, C. W. Brown, W. L. Clause and E. Pit-airn, Pittsburgh. Apr. 12, 1920.
1,32,630.—Cleaning Asbestos. E. F. Nanfeldt, New Haven. Jan. 20, 1920.
1,632,748.—Determining Equilibrium Vaporization Endpoint, process and apparatus. C. E. Parsons, Englewood, N. J., and R. Stevenson, New York assignors, W. P. Deppe, New York. Oct. 6, 1926.
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267,996.—Potassium Nitrate. A. Lambert, New York. Nov. 18, 1925.
267,999.—Granulated Soaps. A. H. Charlton and Rowe & Co., Brentwood, Middlesex. Nov. 24, 1925.
268,006.—Carboxylic Acids. W. A. Bone, St. Albans, Hertfordshire, R. Quarendon and Gas Light & Coke Co., London. Dec. 14, 1925.
268,011.—Silicates. Celite Co., Los Angeles. Dec. 18, 1925.
268,024.—Ammonium Sulphur Compounds. F. Siemens A. G., and H. Baher, Berlin. Dec. 23, 1925.
268,043.—Inclined Trough Separating Apparatus. T. M. Davidson, Hatch End, Middlesex. Sept. 21, 1925.
268,051.—Gravity Separators. W. H. Campbell, London. Dec. 29, 1925.
268,104.—Lead Nitrate. W. H. Bentley Burnley, R. Catlow, Oswaldtwistle, and Blythe & Co., Church, Lancashire. Feb. 24, 1925.
268,155.—Photographic Developers. Silver Springs Bleaching and Dyeing Co., and A. J. Hall, Congleton, Cheshire. Apr. 22, 1925.
268,181.—Sodium Chloride. Soc. Anon. Prodotti Italiana Chimici Estrattivi and O. Gasparrini, Rome. June 1, 1926.
268,204.—Pottery and Brick Making Material. W. Gourdijian and G. L. Jones, Stoke-on-Trent. July 30, 1926.
268,219.—Preserving Latex. A. E. Jury, Rutherford, N. J., and O. H. Smith, New York, assignors, General Rubber Co. Sept. 20, 1926.
268,245.—Ball and Like Mills. J. H. Bentley, Misterton, Nottinghamshire. Nov. 3, 1926.
268,264.—Ball and Like Mills. R. C. Newhouse, Wilmette, Ill., assignor, Allis-Chalmers Mfg. Co., Milwaukee. Dec. 29, 1926.

268,280.—Rubber Compositions. R. Grimoin-Sanson, Paris and H. Danel, Argenteuil Seine et Oise, France. Sept. 3, 1926.

268,284.—Recovering Waste Lubricants. H. Bensmann, Bremen. Oct. 16, 1926.
268,285.—Fire Extinguishing in Oil Tanks. W. D. Witter, New York, assignor, Foamite Firefoam Ltd., London. Nov. 2, 1926.

268,299.—Treating Latex. J. McGavack, New York, assignor, Naugatuck Chemical Co., Naugatuck, Mass. Jan. 31, 1927.

268,301.—Zinc Oxide. J. A. Singmaster, Bronxville, N. Y., F. G. Breyer and E. H. Bunce, Palmerton, N. J., assignors, N. J. Zinc Co., New York. Feb. 12, 1927.

268,309.—Ammonium Sulphate. F. J. Collins A. G. zur Verwertung von Brennstoffen und Metallen. Dortmund, Germany. Feb. 21, 1927.

268,323.—Cracking Oils. S. Seelig, Berlin Mar. 11, 1927.

268,325.—Bleaching. G. Adolph and A. Pietzsch, Munich. Mar. 14, 1927.

268,372.—Liquid Fuel. H. J. Rose and W. H. Hill, assignors, Koppers Co., Pittsburgh. Mar. 25, 1927.

268,375.—Sulphonic Acids. I. G. Farbenindustrie A. G., Frankfurt. Mar. 25, 1927.

GERMAN PATENTS

Issued May 25, 1927

442,504.—Filtering Oxygen-Containing Gases. I. G. Farbenindustrie A. G., Frankfurt. Sept. 22, 1925.

442,556.—Gas Purification. Metallbank und Metallurgische Ges. A. G., Frankfurt, Feb. 5, 1926.

442,644.—Electrical Gas Purification. Siemens-Schuckertwerke G.m.b.H., Berlin-Siemensstadt. June 22, 1924.

442,644.—Separating Natural Sodium Salts, such as thenardite. F. Stein, Hannover-Waldhausen. Oct. 21, 1924.

442,586.—Iron Free Aluminum Sulphate from alum. Vedeinigte Aluminium Werke A. G., Lauterwerk, Lausitz. Sept. 13, 1923.

442,609.—Carbazol-3-Carboxylic Acid. I. G. Farbenindustrie A. G. Oct. 9, 1924.

442,610.—2-Aryl-Amino-1:8-Naphthylsul tam. I. G. Farbenindustrie A. G. July 20, 1925.

442,597.—Refining Light Oils. A. Riebeck'sche Montanwerke A. G., Halle a. S., Oct. 31, 1924.

442,511.—Vat Dyes. I. G. Farbenindustrie A. G. Dec. 14, 1924.

442,650.—Substance Added to Oil Varnishes etc. to prevent settling of solids. R. Schlick, Chemnitz. Sept. 25, 1924.

SURPRISED BY WEEVIL

Harvie Jordan, managing director Field Schools of Economic Production American Cotton Association says cotton growers are not prepared to meet the boll weevil menace this year. He finds that they have been lulled to a temporary sense of security by freedom from boll weevil infestation for the past two or three years.

"Federal and State entomologists from many section are reporting an early infestation of the insects in numbers, which if not properly checked will cause in the next three months the heavy loss of fruitage on hundreds of thousands of acres planted to cotton," said Mr. Jordan.

The management of Lacquer Chemicals, Stege, Cal., subsidiary of Stauffer Chemical Co., plans to begin operations in the new plant not later than Aug. 1. Six brick buildings are included in the plant which will be devoted to the manufacture of nitrated cotton for use in lacquers.

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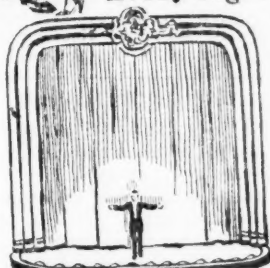
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Brief Speeches

N. P. O. & V. A. PLAN
MEETING IN OCTOBER

National Paint, Oil & Varnish Association will hold its fortieth annual convention at Atlantic City on Oct. 26, 27 and 28. The Ambassador Hotel has been selected as the headquarters for the event. Publicity is now being distributed by the association urging members to come and bring the ladies.

The accompanying sketch is reproduced from a circular sent to members. Attention is called that the meeting will give members the results of practical research, new ideas that are workable and profitable. Real plans for meeting "the new competition" will be formulated at the convention.

Wilbert J. Huff, professor of gas engineering at Johns Hopkins University, Baltimore, was given the degree of doctor of science by Ohio Northern University, where he was once a student. After graduating with honors from Yale in 1914, Dr. Huff continued his studies there, receiving his Ph. D. in 1917. Since that time he has been engaged in chemical and engineering research with the Barrett Co., the U. S. Bureau of Mines, and Koppers Co., and during the war was a lieutenant in the Chemical Warfare Service in command of the Princeton research detachment. Dr. Huff is now in charge of the recently established department of gas engineering at Johns Hopkins, which is the only full collegiate course in gas engineering given in the United States.

Chilean Nitrate Producers' Guild has decided not to renew its contract with Suzuki Shoten (who held the agency in Japan) for the importation of Chile nitrate into Japan to compete with German atmospheric nitrogenous fertilizers. The contract expired at the end of June.

CHARLES L. READ
WITH MINER-EDGAR

Charles L. Read has accepted the position of sales manager of Miner-Edgar Co., and is now actively engaged in the Company's management. Mr. Read has had a financial interest in Miner-Edgar for a period of years.

Only a few weeks ago Mr. Read resigned as treasurer and general manager of Seaboard Chemical Co. of which he was the organizer and in which he still holds a financial interest being a member of the board of directors.

Baltimore Paint, Oil and Varnish Club held its annual outing at Hillendale Country Club June 10. Golf, tennis and swimming matches were held, and an outdoor entertainment at 6 p. m. Valuable prizes donated by the members were awarded to the winners in the various contests. The entertainment committee included B. G. Lehman, chairman; Fred Stern and Fred H. Gettemuller. H. F. Whitescarver was chairman of the golf committee.

Sure-Grip Products, Ltd., incorporated in Montreal last week, will manufacture and deal in chemical products.

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CARBONATE OF AMMONIA—Well known "Gloria" Brand offered for export to merchants and direct consumers. References: The Bankverein für Nordwestdeutschland A. G., Bremen, or the Deutsche Bank, Filiale Bremen. Address: Hagens, Anthony & Co., Frischhafen 1, Bremen, Germany.

FOR SALE

Former chemical plant; three story brick building with one story extension and two one-story buildings containing total of about 24,000 square feet of floor space, also three four-family frame and one single family frame building for workmen on eleven acre property; railroad siding, water power developing 25 to 40 horse power, electrical elevator, steam engine, boilers, state highway. About 100 miles from New York, good transportation and labor conditions. Very reasonable. Write Herbert McKennis, 2 Rector Street, New York City.

Chicago house successfully selling heavy chemicals to manufacturers and jobbers for eleven years is seeking additional lines; office, sales force, delivery system, warehouse with switch track and tank storage. Can repack from bulk carloads economically. Prefer acting as Midwest distributors.

Acid Supply Co.
316-326 West 24th St.,
Chicago, Ill.

FOR SALE—Antimony, sulphuric golden; two thousand pounds, 10 cents pound. Lamp Black; five hundred pounds, 20 cents pound. Magnesia Oxide; one thousand pounds, 20 cents pound. Aniline (Monsanto) one thousand pounds, 10 cents pound. Ward Chemical Company, Box 149, Tulsa, Okla.

Situation Wanted

Chemical engineer experienced copper assaying, steel analysis, desires position inorganic, organic field. Starting salary immaterial. Lebon, 1196 Myrtle Avenue, Brooklyn, N. Y.

PRODUCTION manager or assistant—Capable executive, graduate chemist, age 34, single, with ten years experience in various products as a production executive. Have a record for low cost production and development of new processes. Have a sound business background and seek a connection with a company not satisfied with their progress and in need of a competent production executive. Box 713, CHEMICAL MARKETS.

FOR SALE—Complete files of **DRUG & CHEMICAL MARKETS**, unbound, \$5.00 a volume.

CHEMICAL ENGINEER: Age 34, with ten years experience covering a wide field of chemical industries in development and production work; a capable executive with a thorough knowledge of manufacturing and good business background; would be especially valuable in a plant which wants to improve quality of products or lower cost of manufacturing. Will consider any reasonable proposition. Box 714, CHEMICAL MARKETS.

Chemical Engineer, graduate, age 35, with good training in design and operation of plants for heavy chemicals. Experienced in electrolytic chlorine and caustic soda, sodium sulphide, carbon bisulphide and barium products. Can furnish best references. BOX 719, CHEMICAL MARKETS.

Help Wanted

A well rated and established chemical concern can use the services of a practical man who is thoroughly familiar with the compounding and grinding of Dragon's Blood and to assume full charge of this department. Exceptional opportunity for one who can produce immediate results. Communications strictly confidential. Address Box 716, CHEMICAL MARKETS.

WANTED. An executive and sales manager by an aggressive company manufacturing a good line of wool and cotton dyes and dyeing specialties. For the man who has a successful record this is an opportunity for the future. Good salary offered. Box 706, CHEMICAL MARKETS.

CHEMIST WANTED for work in small testing laboratory in New Jersey. Experience in Coal Tar desired. Reply fully, giving age, experience, references, salary, etc. to Box 708, CHEMICAL MARKETS.

A prominent manufacturer desires to get in touch with an engineer who is familiar with most modern practice in manufacture of Carbon Bisulphide, and who is able to design the plant and supervise the start of operation. Box 712, CHEMICAL MARKETS.

ASSISTANT TO SALESMANAGER: Wanted by a prominent manufacturer of Solvents young man of unusual ability and initiative, qualified by experience to assist a busy executive in developing sales. Excellent opportunity for right man. To receive attention state full details in confidence. Address BOX 709, CHEMICAL MARKETS.

WANTED—young chemist by well established firm of dyestuffs manufacturers. Must be college graduate. Good opportunity for ambitious man. BOX 710, CHEMICAL MARKETS.

A prominent manufacturer desires to get in touch with an engineer or chemist who is familiar with the process of subliming Iodine. BOX 718, CHEMICAL MARKETS.

Raw Materials

CRUDE KAOLIN FOR SALE—About 300 tons Selected High Grade Kaolin in lump form. Immediate shipment from Shuler, So. Carolina. Wire or write Dixiana Clay Company, 53 West Jackson Blvd., Chicago, Ill.

WANTED—Technical Sodium Stearate (Powder preferred) in ton lots, on contract if desired. Quote prices and submit small samples. Also interested in Coumarone and Indene-Resin, (domestic products). P. O. Box 11, Station A, Berkeley, Calif.

Plant Equipment

Interested in purchasing lacquer or varnish factory now operating New Jersey or New York outside Metropolitan district. Write full particulars. BOX 720, CHEMICAL MARKETS.

Miscellaneous

FLYCATCHER

Plants for smallest, medium and large factories, raw material and Al gluing methods are supplied at lowest prices and terms of payment. Prompt delivery. Chemische Fabrik Aylsdorf. Inh. R. Munkner, Zeitz-Aylsdorf, Germany.

WANTED—Manufacturing facilities for synthetic compounds on payment for work done basis. Small dyestuff plant near New York, having refrigerating machinery, would be suitable. Box 641, CHEMICAL MARKETS.

AUSTRALIA—We desire to represent American chemical manufacturers in this country. Highest references exchanged. David H. Davis, Richmond House, 154 Castlereagh St., Sydney, N. S. W., Australia.

WANTED

AUTOCLAVE—4-500 gallons; working pressure 200 lbs. with safe margin. No agitator. Preferably copper lined. Direct firing. Please address your answer to Box 644 Chemical Markets.

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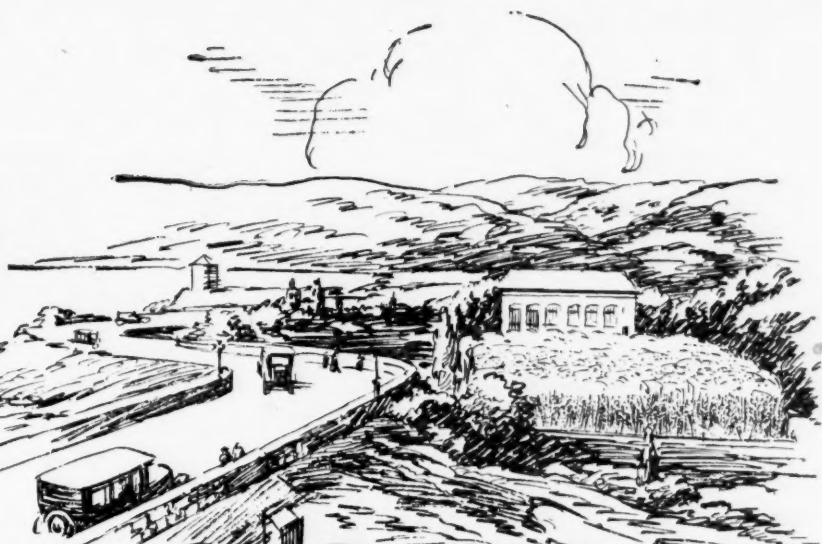
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Around John are other evidences of the need of chemicals. His leather brief case and shoes have been prepared with Epsom Salts, Lactic Acid, Oxalic Acid and PAC Formaldehyde; his woolen clothes were prepared and dyed with the aid of Caustic Potash, Carbonate of Potash, Glauber's Salt, and Formic Acid. Even the fur adorning the lady present owes something to Sal Ammoniac, Potassium Chlorate and Potash Alum, chemicals to be found in the R & H List.

The car is fitted with handles made with Tin Oxide, Feldspar and Zinc Oxide, while the car windows were manufactured with the aid of Cobalt Oxide, Selenium, Antimony Oxide and Feldspar.

R & H Chemicals also contribute to the efficiency of John's office.

(where he will next be seen)

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